

Timothy E Adams

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8825725/publications.pdf>

Version: 2024-02-01

76
papers

5,104
citations

126708

33
h-index

88477

70
g-index

77
all docs

77
docs citations

77
times ranked

5695
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Crystal Structure of a Truncated Epidermal Growth Factor Receptor Extracellular Domain Bound to Transforming Growth Factor β . <i>Cell</i> , 2002, 110, 763-773. | 13.5 | 686 |
| 2 | The Crystal Structure of a Truncated ErbB2 Ectodomain Reveals an Active Conformation, Poised to Interact with Other ErbB Receptors. <i>Molecular Cell</i> , 2003, 11, 495-505. | 4.5 | 510 |
| 3 | Structure and function of the type 1 insulin-like growth factor receptor. <i>Cellular and Molecular Life Sciences</i> , 2000, 57, 1050-1093. | 2.4 | 503 |
| 4 | Growth Hormone Preferentially Induces the Rapid, Transient Expression of SOCS-3, a Novel Inhibitor of Cytokine Receptor Signaling. <i>Journal of Biological Chemistry</i> , 1998, 273, 1285-1287. | 1.6 | 283 |
| 5 | Structure of the insulin receptor ectodomain reveals a folded-over conformation. <i>Nature</i> , 2006, 443, 218-221. | 13.7 | 277 |
| 6 | Non-tolerance and autoantibodies to a transgenic self antigen expressed in pancreatic β cells. <i>Nature</i> , 1987, 325, 223-228. | 13.7 | 269 |
| 7 | The sheep growth hormone receptor: Molecular cloning and ontogeny of mRNA expression in the liver. <i>Molecular and Cellular Endocrinology</i> , 1990, 73, 135-145. | 1.6 | 126 |
| 8 | Identification of the Epitope for the Epidermal Growth Factor Receptor-specific Monoclonal Antibody 806 Reveals That It Preferentially Recognizes an Untethered Form of the Receptor. <i>Journal of Biological Chemistry</i> , 2004, 279, 30375-30384. | 1.6 | 122 |
| 9 | The insulin and EGF receptor structures: new insights into ligand-induced receptor activation. <i>Trends in Biochemical Sciences</i> , 2007, 32, 129-137. | 3.7 | 122 |
| 10 | STAT5b mediates the GH-induced expression of SOCS-2 and SOCS-3 mRNA in the liver. <i>Molecular and Cellular Endocrinology</i> , 1999, 158, 111-116. | 1.6 | 108 |
| 11 | Megakaryocytes co-localise with hemopoietic stem cells and release cytokines that up-regulate stem cell proliferation. <i>Stem Cell Research</i> , 2013, 11, 782-792. | 0.3 | 103 |
| 12 | Mini Review Signalling by the Type 1 Insulin-like Growth Factor Receptor: Interplay with the Epidermal Growth Factor Receptor. <i>Growth Factors</i> , 2004, 22, 89-95. | 0.5 | 92 |
| 13 | Optimization of Experimental Variables Influencing Reporter Gene Expression in Hepatoma Cells Following Calcium Phosphate Transfection. <i>DNA and Cell Biology</i> , 1994, 13, 1227-1232. | 0.9 | 91 |
| 14 | Identification of a Determinant of Epidermal Growth Factor Receptor Ligand-Binding Specificity Using a Truncated, High-Affinity Form of the Ectodomain. <i>Biochemistry</i> , 2001, 40, 8930-8939. | 1.2 | 85 |
| 15 | A monoclonal antibody that detects HLA-D region antigen in routinely fixed, wax embedded sections of normal and neoplastic lymphoid tissues.. <i>Journal of Clinical Pathology</i> , 1985, 38, 12-17. | 1.0 | 79 |
| 16 | Total Synthesis of the Potent Anticancer Aglaia Metabolites (β)-Silvestrol and (β)-Episilvestrol and the Active Analogue (β)-4-Desmethoxyepisilvestrol. <i>Journal of the American Chemical Society</i> , 2009, 131, 1607-1616. | 6.6 | 78 |
| 17 | CR1/CR2 Interactions Modulate the Functions of the Cell Surface Epidermal Growth Factor Receptor. <i>Journal of Biological Chemistry</i> , 2004, 279, 22387-22398. | 1.6 | 75 |
| 18 | Antibodies specifically targeting a locally misfolded region of tumor associated EGFR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5082-5087. | 3.3 | 69 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Blood-Based Protein Biomarker Panel for the Detection of Colorectal Cancer. PLoS ONE, 2015, 10, e0120425. | 1.1 | 59 |
| 20 | The three dimensional structure of the type I insulin-like growth factor receptor. Journal of Clinical Pathology, 2001, 54, 125-132. | 2.1 | 57 |
| 21 | CD52 glycan binds the proinflammatory B box of HMGB1 to engage the Siglec-10 receptor and suppress human T cell function. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7783-7788. | 3.3 | 55 |
| 22 | Engineering of an anti-epidermal growth factor receptor antibody to single chain format and labeling by sortase A-mediated protein ligation. Biotechnology and Bioengineering, 2012, 109, 1461-1470. | 1.7 | 51 |
| 23 | Structural insights into ligand-induced activation of the insulin receptor. Acta Physiologica, 2008, 192, 3-9. | 1.8 | 50 |
| 24 | Identification of a liver-specific promoter for the ovine growth hormone receptor. Molecular and Cellular Endocrinology, 1994, 101, 129-139. | 1.6 | 49 |
| 25 | High, persistent hepatocellular proliferation and apoptosis precede hepatocarcinogenesis in growth hormone transgenic mice. Liver International, 1999, 19, 242-252. | 1.9 | 47 |
| 26 | Direct involvement of the TEN domain at the active site of human telomerase. Nucleic Acids Research, 2011, 39, 1774-1788. | 6.5 | 47 |
| 27 | Differential expression of growth hormone receptor messenger RNA from a second promoter. Molecular and Cellular Endocrinology, 1995, 108, 23-33. | 1.6 | 45 |
| 28 | CD52 inhibits Toll-like receptor activation of NF- κ B and triggers apoptosis to suppress inflammation. Cell Death and Differentiation, 2018, 25, 392-405. | 5.0 | 42 |
| 29 | EGFRvIII-mediated transactivation of receptor tyrosine kinases in glioma: mechanism and therapeutic implications. Oncogene, 2015, 34, 5277-5287. | 2.6 | 40 |
| 30 | A Human Monoclonal Antibody against Insulin-Like Growth Factor-II Blocks the Growth of Human Hepatocellular Carcinoma Cell Lines <i>in vitro</i> and <i>in vivo</i> . Molecular Cancer Therapeutics, 2010, 9, 1809-1819. | 1.9 | 39 |
| 31 | Glioma Specific Extracellular Missense Mutations in the First Cysteine Rich Region of Epidermal Growth Factor Receptor (EGFR) Initiate Ligand Independent Activation. Cancers, 2011, 3, 2032-2049. | 1.7 | 39 |
| 32 | Genome-wide siRNA Screening at Biosafety Level 4 Reveals a Crucial Role for Fibrillar in Henipavirus Infection. PLoS Pathogens, 2016, 12, e1005478. | 2.1 | 38 |
| 33 | The structure of vanin 1: a key enzyme linking metabolic disease and inflammation. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 3320-3329. | 2.5 | 37 |
| 34 | Biochemical Characterization of Individual Human Glycosylated pro-Insulin-like Growth Factor (IGF)-II and big-IGF-II Isoforms Associated with Cancer. Journal of Biological Chemistry, 2013, 288, 59-68. | 1.6 | 35 |
| 35 | Developmental and tissue-specific regulation of ovine insulin-like growth factor II (IGF-II) mRNA expression. Molecular and Cellular Endocrinology, 1991, 78, 87-96. | 1.6 | 34 |
| 36 | Solution Structure of Ectodomains of the Insulin Receptor Family: The Ectodomain of the Type 1 Insulin-Like Growth Factor Receptor Displays Asymmetry of Ligand Binding Accompanied by Limited Conformational Change. Journal of Molecular Biology, 2009, 394, 878-892. | 2.0 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Notch ligand delta-like 1: X-ray crystal structure and binding affinity. <i>Biochemical Journal</i> , 2015, 468, 159-166. | 1.7 | 32 |
| 38 | Cloning and DNA sequence analysis of the cDNA for the precursor of ovine follicle stimulating hormone β -subunit. <i>Nucleic Acids Research</i> , 1989, 17, 6391-6391. | 6.5 | 29 |
| 39 | Impaired glucose tolerance and increased weight gain in transgenic rats overexpressing a non-insulin-responsive phosphoenolpyruvate carboxykinase gene. <i>Molecular Endocrinology</i> , 1995, 9, 1396-1404. | 3.7 | 29 |
| 40 | Nucleotide sequence of an ovine Insulin-like growth factor-II cDNA. <i>Nucleic Acids Research</i> , 1989, 17, 5392-5392. | 6.5 | 28 |
| 41 | Functional expression of an ovine growth hormone receptor in transfected Chinese hamster ovary cells. <i>Molecular and Cellular Endocrinology</i> , 1992, 86, 37-47. | 1.6 | 25 |
| 42 | Cloning and DNA sequence analysis of the cDNA for the common β -subunit of the ovine pituitary glycoprotein hormones. <i>Nucleic Acids Research</i> , 1989, 17, 10494-10494. | 6.5 | 24 |
| 43 | Taking down the FLAG! How Insect Cell Expression Challenges an Established Tag-System. <i>PLoS ONE</i> , 2012, 7, e37779. | 1.1 | 21 |
| 44 | Colorectal cancer biomarkers: To be or not to be? Cautionary tales from a road well travelled. <i>World Journal of Gastroenterology</i> , 2014, 20, 888. | 1.4 | 21 |
| 45 | Electrostatic Interactions between Hendra Virus Matrix Proteins Are Required for Efficient Virus-Like-Particle Assembly. <i>Journal of Virology</i> , 2018, 92, . | 1.5 | 21 |
| 46 | Overexpressed growth hormone (GH) synergistically promotes carcinogen-initiated liver tumour growth by promoting cellular proliferation in emerging hepatocellular neoplasms in female and male GH-transgenic mice. <i>Liver</i> , 2001, 21, 149-158. | 0.1 | 20 |
| 47 | A truncated soluble epidermal growth factor receptor-Fc fusion ligand trap displays anti-tumour activity <i>in vivo</i> . <i>Growth Factors</i> , 2009, 27, 141-154. | 0.5 | 19 |
| 48 | Comparison of alternative nucleophiles for Sortase A-mediated bioconjugation and application in neuronal cell labelling. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2675-2685. | 1.5 | 19 |
| 49 | Glioma-specific Domain IV EGFR cysteine mutations promote ligand-induced covalent receptor dimerization and display enhanced sensitivity to dacomitinib <i>in vivo</i> . <i>Oncogene</i> , 2015, 34, 1658-1666. | 2.6 | 19 |
| 50 | New Monoclonal Antibodies to Defined Cell Surface Proteins on Human Pluripotent Stem Cells. <i>Stem Cells</i> , 2017, 35, 626-640. | 1.4 | 18 |
| 51 | Activation of ERBB4 in Glioblastoma Can Contribute to Increased Tumorigenicity and Influence Therapeutic Response. <i>Cancers</i> , 2018, 10, 243. | 1.7 | 18 |
| 52 | Comparison of intrahepatic lymphocytes from normal and growth hormone transgenic mice with chronic hepatitis and liver cancer. <i>Immunology</i> , 1997, 90, 412-420. | 2.0 | 17 |
| 53 | Structural Model for the Interaction of a Designed Ankyrin Repeat Protein with the Human Epidermal Growth Factor Receptor 2. <i>PLoS ONE</i> , 2013, 8, e59163. | 1.1 | 17 |
| 54 | A new crystal form of human vascular adhesion protein 1. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 1572-1578. | 0.7 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Incomplete target neutralization by the anti-cancer antibody rilotumumab. <i>MAbs</i> , 2016, 8, 246-252. | 2.6 | 16 |
| 56 | Production of methionyl-minus ovine growth hormone in <i>Escherichia coli</i> and one-step purification. <i>Gene</i> , 1992, 122, 371-375. | 1.0 | 15 |
| 57 | Properties of an insulin receptor with an IGF-1 receptor loop exchange in the cysteine-rich region. <i>FEBS Letters</i> , 2000, 469, 57-60. | 1.3 | 15 |
| 58 | Preparation of human vascular endothelial growth factor-D for structural and preclinical therapeutic studies. <i>Protein Expression and Purification</i> , 2012, 82, 232-239. | 0.6 | 15 |
| 59 | Structural and biochemical analyses of a <i>Clostridium perfringens</i> sortase D transpeptidase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 1505-1513. | 2.5 | 14 |
| 60 | C6orf106 is a novel inhibitor of the interferon-regulatory factor 3 α dependent innate antiviral response. <i>Journal of Biological Chemistry</i> , 2018, 293, 10561-10573. | 1.6 | 14 |
| 61 | Methylation and expression of a metallothionein promoter ovine growth hormone fusion gene (MToGH1) in transgenic mice. <i>Transgenic Research</i> , 1995, 4, 114-122. | 1.3 | 13 |
| 62 | LRIG1 Extracellular Domain: Structure and Function Analysis. <i>Journal of Molecular Biology</i> , 2015, 427, 1934-1948. | 2.0 | 13 |
| 63 | Cloning and nucleotide sequence of an ovine prolactin cDNA. <i>Nucleic Acids Research</i> , 1989, 17, 440-440. | 6.5 | 12 |
| 64 | Structural characterization of a novel monotreme-specific protein with antimicrobial activity from the milk of the platypus. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2018, 74, 39-45. | 0.4 | 10 |
| 65 | Removal of 3' Untranslated Sequences Dramatically Enhances Transient Expression of Ovine Follicle-Stimulating Hormone Beta Gene Messenger Ribonucleic Acid. <i>Journal of Neuroendocrinology</i> , 1992, 4, 655-658. | 1.2 | 9 |
| 66 | Positive and negative regulatory elements in the late lactation protein-A gene promoter from the tammar wallaby (<i>Macropus eugenii</i>). <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2005, 1728, 65-76. | 2.4 | 7 |
| 67 | Development of an anti-ferret CD4 monoclonal antibody for the characterisation of ferret T lymphocytes. <i>Journal of Immunological Methods</i> , 2017, 444, 29-35. | 0.6 | 7 |
| 68 | UV induced responses of the human epidermal IGF system: Impaired anti-apoptotic effects of IGF-I in HaCaT keratinocytes. <i>Growth Factors</i> , 2005, 23, 151-159. | 0.5 | 6 |
| 69 | Differential Sensitivity of Human Hepatocellular Carcinoma Xenografts to an IGF-II Neutralizing Antibody May Involve Activated STAT3. <i>Translational Oncology</i> , 2018, 11, 971-978. | 1.7 | 5 |
| 70 | Prevention of Diabetes-Induced Albuminuria in Transgenic Rats Overexpressing Human Aldose Reductase. <i>Endocrine</i> , 2002, 18, 47-56. | 2.2 | 4 |
| 71 | A high-affinity ErbB4Fc fusion protein is a potent antagonist of heregulin-mediated receptor activation. <i>Growth Factors</i> , 2012, 30, 310-319. | 0.5 | 4 |
| 72 | Investigation onto the correlation between systemic antibodies to surface glycoproteins of infectious laryngotracheitis virus (ILTV) and protective immunity. <i>Veterinary Microbiology</i> , 2019, 228, 252-258. | 0.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Transcription from the P2 promoter of the growth hormone receptor gene involves members of the Sp transcription factor family. <i>Biochemical Journal</i> , 1999, 344, 867. | 1.7 | 3 |
| 74 | Structural and functional characterisation of ferret interleukin-2. <i>Developmental and Comparative Immunology</i> , 2016, 55, 32-38. | 1.0 | 2 |
| 75 | Koala and Wombat Gammaherpesviruses Encode the First Known Viral NTPDase Homologs and Are Phylogenetically Divergent from All Known Gammaherpesviruses. <i>Journal of Virology</i> , 2019, 93, . | 1.5 | 2 |
| 76 | Crystallization and preliminary X-ray analysis of the complexes between a Fab and two forms of human insulin-like growth factor II. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 945-948. | 0.7 | 1 |